

Practical-9e

Part – 9 (A) (Login page)

Code:

```
import 'package:flutter/material.dart';

void main() {
  runApp(MyApp());
}

class MyApp extends StatelessWidget {
  @override
  Widget build(BuildContext context) {
    return MaterialApp(
      title: 'Login App',
```

```
theme: ThemeData(  
  primarySwatch: Colors.yellow,  
),  
home: LoginPage(),  
);  
}  
}
```

```
class LoginPage extends StatefulWidget {  
  @override  
  _LoginPageState createState() => _LoginPageState();  
}
```

```
class _LoginPageState extends State<LoginPage> {  
  final TextEditingController _usernameController = TextEditingController();  
  final TextEditingController _passwordController = TextEditingController();  
  String _message = "";
```

```
void _login() {  
  // Replace with your actual username and password  
  const String correctUsername = 'admin';  
  const String correctPassword = 'pass';
```

```
  String username = _usernameController.text;  
  String password = _passwordController.text;
```

```
  setState(() {  
    if (username == correctUsername && password == correctPassword) {  
      _message = 'Yayy!!Login Successful!';  
    } else {  
      _message = 'SorryLogin Failed! Incorrect username or password.';
```

```
}  
});  
}
```

@override

Widget build(BuildContext context) {

return Scaffold(
 body: Container(
 decoration: BoxDecoration(
 gradient: LinearGradient(
 colors: [Colors.yellow[300]!, Colors.yellow[800]!],
 begin: Alignment.topLeft,
 end: Alignment.bottomRight,
),
),
 child: Center(
 child: Padding(
 padding: const EdgeInsets.all(32.0),
 child: Card(
 elevation: 8,
 shape: RoundedRectangleBorder(
 borderRadius: BorderRadius.circular(16),
),
 child: Padding(
 padding: const EdgeInsets.all(24.0),
 child: Column(
 mainAxisAlignment: MainAxisAlignment.min,
 children: [
 Text(
 'Login Application',
 style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),

),

),

child: Center(
 child: Padding(
 padding: const EdgeInsets.all(32.0),
 child: Card(
 elevation: 8,
 shape: RoundedRectangleBorder(
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 elevation: 8,
 shape: RoundedRectangleBorder(
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 padding: const EdgeInsets.all(24.0),
 child: Column(
 mainAxisAlignment: MainAxisAlignment.min,
 children: [
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 style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),

elevation: 8,
 shape: RoundedRectangleBorder(
 borderRadius: BorderRadius.circular(16),
),
 child: Padding(
 padding: const EdgeInsets.all(24.0),
 child: Column(
 mainAxisAlignment: MainAxisAlignment.min,
 children: [
 Text(
 'Login Application',
 style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),

shape: RoundedRectangleBorder(
 borderRadius: BorderRadius.circular(16),
),
 child: Padding(
 padding: const EdgeInsets.all(24.0),
 child: Column(
 mainAxisAlignment: MainAxisAlignment.min,
 children: [
 Text(
 'Login Application',
 style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),

borderRadius: BorderRadius.circular(16),
),
 child: Padding(
 padding: const EdgeInsets.all(24.0),
 child: Column(
 mainAxisAlignment: MainAxisAlignment.min,
 children: [
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mainAxisSize: MainAxisSize.min,
children: [
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 style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),

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 style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),

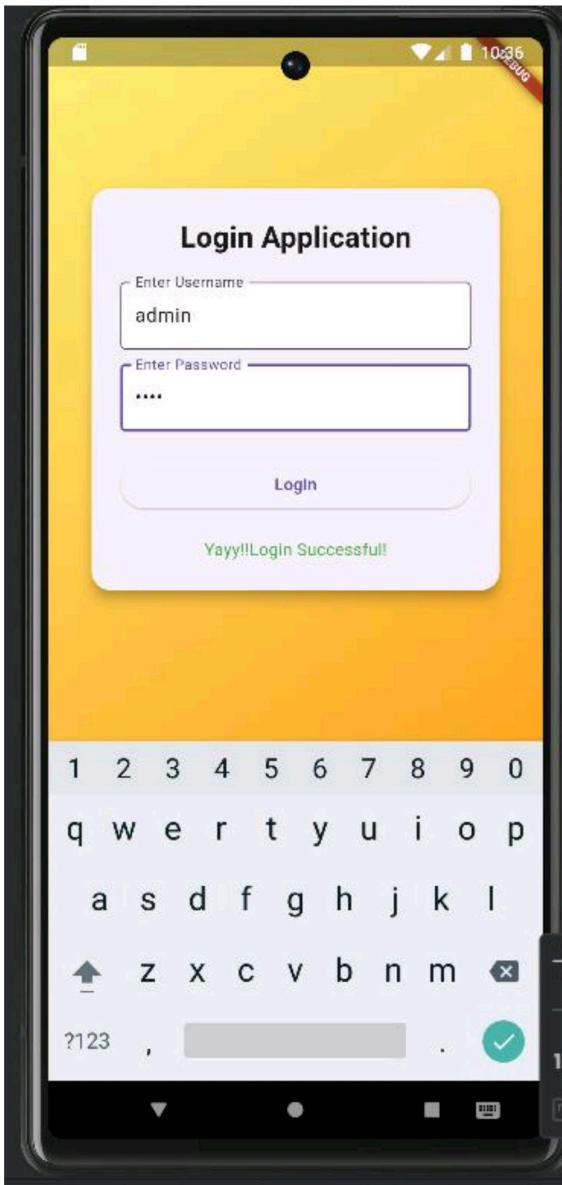
Text(
 'Login Application',
 style: TextStyle(fontSize: 24, fontWeight: FontWeight.bold),

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```
),
  SizedBox(height: 20),
  TextField(
    controller: _usernameController,
    decoration: InputDecoration(
      labelText: 'Enter Username',
      border: OutlineInputBorder(),
      filled: true,
      fillColor: Colors.white,
    ),
  ),
  ),
  SizedBox(height: 12),
  TextField(
    controller: _passwordController,
    decoration: InputDecoration(
      labelText: 'Enter Password',
      border: OutlineInputBorder(),
      filled: true,
      fillColor: Colors.white,
    ),
    obscureText: true,
  ),
  ),
  SizedBox(height: 20),
  ElevatedButton(
    onPressed: _login,
    child: Text('Login'),
    style: ElevatedButton.styleFrom(
      minimumSize: Size(double.infinity, 40),
      padding: EdgeInsets.symmetric(horizontal: 16),
    ),
  ),
),
```

```
      SizedBox(height: 20),
      Text(
        _message,
        style: TextStyle(
          color: _message.startsWith('Yayy!!Login Successful!') ? Colors.green : Colors.red,
        ),
      ),
    ],
  ),
),
),
),
),
),
),
),
),
);
}
```



Part – 9 (B) (First -> second screen)

Code:

```
import 'package:flutter/material.dart';
```

```
void main() {  
  runApp(MyApp());  
}
```

```
class MyApp extends StatelessWidget {  
  @override  
  Widget build(BuildContext context) {
```

```
return MaterialApp(  
  title: 'Data Pass App',  
  theme: ThemeData(  
    primarySwatch: Colors.yellow,  
  ),  
  home: FirstScreen(),  
);  
}  
}
```

```
class FirstScreen extends StatelessWidget {  
  final TextEditingController _controller = TextEditingController();
```

```
  @override
```

```
  Widget build(BuildContext context) {
```

```
    return Scaffold(  
      appBar: AppBar(  
        title: Text('User Screen One'),  
      ),  
      body: Padding(  
        padding: const EdgeInsets.all(16.0),  
        child: Center(  
          child: Column(  
            mainAxisAlignment: MainAxisAlignment.center,  
            children: [  
              Text(  
                'Enter the data that you want to see to the next screen',  
                style: TextStyle(fontSize: 18),  
                textAlign: TextAlign.center,  
              ),  
              SizedBox(height: 20),  
            ],  
          ),  
        ),  
      ),  
    );  
  }  
}
```

```
TextField(
  controller: _controller,
  decoration: InputDecoration(
    labelText: 'User Data',
    border: OutlineInputBorder(),
    filled: true,
    fillColor: Colors.white,
    prefixIcon: Icon(Icons.input),
  ),
),
 SizedBox(height: 20),
 ElevatedButton(
   onPressed: () {
     if (_controller.text.isNotEmpty) {
       Navigator.push(
         context,
         MaterialPageRoute(
           builder: (context) => SecondScreen(data: _controller.text),
         ),
       );
     } else {
       ScaffoldMessenger.of(context).showSnackBar(
         SnackBar(content: Text('Please enter some data')),
       );
     }
   },
   child: Text('Pass User Data to User Screen Two'),
   style: ElevatedButton.styleFrom(
     backgroundColor: Colors.yellow, // Set button color to yellow
     foregroundColor: Colors.black, // Set text color to black
     minimumSize: Size(double.infinity, 50),
```



```
child: Column(  
  mainAxisAlignment: MainAxisAlignment.min,  
  children: [  
    Text(  
      'User Data received here is as follows:',  
      style: TextStyle(fontSize: 20, fontWeight: FontWeight.bold),  
    ),  
    SizedBox(height: 20),  
    Text(  
      data,  
      style: TextStyle(fontSize: 20),  
      textAlign: TextAlign.center,  
    ),  
  ],  
,  
,  
,  
,  
,  
,  
,  
,  
,  
);  
}  
}
```

